

WRS COMPLETION REPORT

COMPLETIONS SEC 29 TWP 20S RGE 38E
PI# 30-T-0023 09/02/88 30-025-27092-0001 PAGE 1

NMEX LEA * 1650FSL 890FEL SEC NE SE
STATE COUNTY FOOTAGE SPOT
CONOCO INC OPERATOR D X DO
86 WARREN UNIT WELL CLASS INIT FIN
WELL NO. LEASE NAME
3527GR
OPER ELEV BLINEBRY

API 30-025-27092-0001
LEASE TYPE/NO. PERMIT OR WELL I.D. NO.
04/08/1988 04/26/1988 WO-UNIT OIL-WO
SPUD DATE COMP. DATE TYPE TOOL STATUS
6235 NOT RPTD

PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 9325 PB 7040 OTD 9325 FM/TD SIMPSON
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.
LOCATION DESCRIPTION

8 MI SE MONUMENT, NM

TUBING DATA

TBG 2 7/8 AT 6096

INITIAL POTENTIAL

IPP 72BOPD 69 MCFD 82BW 24HRS
BLINEBRY PERF JET W/ 21/IT 5879- 6088
PERF 5879- 6088
ACID 5879- 6088 42BBLS
15% HCL
SWFR 5879- 6088 784BBLS

NO DETAILS

GOR 958

ADDTVGELA

GTY-NO DETAILS

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	YATES		2707	820		
LOG	SVN RVRS		2970	557		
LOG	QUEEN		3541	-14		
LOG	SN ANDRS		3949	-422		
LOG	GLORIETA		5400	-1873		
LOG	TUBB		6468	-2941		
LOG	DRINKARD		6740	-3213		
LOG	ABO		7053	-3526		
LOG	DEVONIAN		8071	-4544		

CONTINUED IC# 300257035088

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Petroleum
Information Corporation

Petroleum Information

DB a company of
The Dun & Bradstreet Corporation

PI-WRS-GET
Form No 187

COMPLETIONS SEC 29 TWP 20S RGE 38E
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CONOCO INC
86

WARREN UNIT

D X DO

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	FUSSELMN		8336 -4809	
LOG	MONTOYA		8637 -5110	
LOG	SIMPSON		8924 -5397	
SUBSEA MEASUREMENTS FROM GR				

PRODUCTION TEST DATA

TUBB	PERF	6504- 6704
PERF	6504- 6704	
BRPG @ 6235	6504- 6704	

DRILLING PROGRESS DETAILS

CONOCO INC
BOX 460
HOBBS, NM 88240
505-394-5800
OWWO: OLD INFO: FORMERLY CONOCO INC #86 WARREN
UNIT. ELEV 3525 GR, 3542 KB. SPUD 1/4/82.
13 3/8 @ 1448 W/1232 SX, 7 @ 8600 W/4380 SX.
LOG TOPS: MONTOYA 8500, SIMPSON 8760, MC KEE
8970. OTD 9325. PBD 7040. COMP 6/4/82. IPP
9 BO, 22 BWP. PROD ZONE: TUBB 6504-6704.
08/29 LOC/1988/
08/29 9325 TD, PB 7040
COMP 4/26/88, IPP 72 BO, 69 MCFG, 82 BWP,
GOR 958, GTY (NR)
PROD ZONE - BLINEBRY 5879-6088
FIRST REPORT & COMPLETION



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

Conoco
COMPANY

Barred Well No. 86
WELL NAME

Lee County, New Mexico
LOCATION

JOB NUMBER
WT0282-S0221

TYPE OF SURVEY
Magnetic M. H. Shot Survey

DATE
Feb. 10, 1982

SURVEY BY
Tim Stephens

OFFICE
West Texas

CONOCO
WARREN UNIT WELL NO. 86
LEA COUNTY, NEW MEXICO
FEB. 10, 1982

BD1-406

EASTMAN WHIPSTOCK INC.
MAGNETIC MULTISHOT SURVEY
SURVEYOR: TIM STEPHENS

WT0282-S0225
(5200'-9315')

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

TIME DATE
13:44:15 24-FEB-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOG LEG SEVERITY DG/100FT
5200.	0 0	0	5200.00	0.00	0.00
5300.	0 45	S 21 W	5300.00	0.61 S	0.75
5400.	1 0	S 34 W	5399.99	1.96 S	0.32
5500.	1 0	S 43 W	5499.97	3.33 S	0.16
5600.	0 45	S 48 W	5599.96	4.40 S	0.26
5700.	0 30	S 34 W	5699.95	5.22 S	0.29
5800.	0 30	S 16 W	5799.95	6.00 S	0.16
5900.	0 30	S 47 W	5899.94	6.74 S	0.27
6000.	0 15	S 55 E	5999.94	7.31 S	0.60
6100.	0 15	S 72 E	6099.94	7.50 S	0.07
6200.	0 30	S 66 E	6199.94	7.74 S	0.25
6300.	0 30	S 66 E	6299.94	8.09 S	0.00
6400.	0 30	S 87 E	6399.93	8.30 S	0.18
6500.	0 45	N 56 E	6499.93	8.01 S	0.46
6600.	1 0	N 54 E	6599.91	7.13 S	0.25
6700.	1 0	N 42 E	6699.90	5.97 S	0.21
6800.	1 0	N 55 E	6799.88	4.81 S	0.23
6900.	0 45	N 62 E	6899.87	4.02 S	0.27
7000.	1 0	N 25 E	6999.86	2.93 S	0.60
7100.	0 45	N 54 E	7099.85	1.77 S	0.50
7200.	1 0	N 30 E	7199.84	0.64 S	0.44
7300.	1 15	N 28 E	7299.82	1.08 N	0.25
7400.	1 45	N 20 E	7399.78	3.47 N	0.54
7500.	1 15	N 36 E	7499.75	5.77 N	0.65
7600.	1 30	N 22 E	7599.72	7.86 N	0.42
7700.	1 45	N 21 E	7699.68	10.50 N	0.25
7800.	2 0	N 16 E	7799.62	13.61 N	0.30
7900.	2 15	N 35 E	7899.56	16.94 N	0.74
8000.	2 45	N 55 E	7999.46	20.01 N	1.00
8100.	3 30	N 68 E	8099.31	22.60 N	1.03

CONOCO
WARREN UNIT WELL NO. 86
LEA COUNTY, NEW MEXICO

BD1-406

PAGE NO.

COMPUTATION

TIME DATE

13:44:15 24-FEB-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	DOG LEG SEVERITY DG/100FT
8200.	3 0	N 67 E	8199.15	24.77 N	0.50
8300.	2 45	N 73 E	8299.02	26.49 N	0.39
8400.	2 15	N 68 E	8398.93	27.94 N	0.55
8500.	2 15	N 74 E	8498.85	29.22 N	0.24
8600.	2 30	N 74 E	8598.76	30.36 N	0.25
8700.	2 30	N 74 E	8698.67	31.56 N	0.00
8800.	2 15	N 81 E	8798.58	32.46 N	0.38
8900.	1 45	S 90 E	8898.52	32.73 N	0.59
9000.	2 15	N 64 E	8998.46	33.51 N	1.02
9100.	9 15	N 77 E	9097.90	36.85 N	7.08
9200.	10 0	N 73 E	9196.49	41.17 N	1.00
9300.	9 45	N 73 E	9295.01	46.19 N	0.25
9315.	10 0	N 74 E	9309.78	46.92 N	2.02

FINAL CLOSURE - DIRECTION: N 65 DEGS 48 MINS E
DISTANCE: 114.46 FEET

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

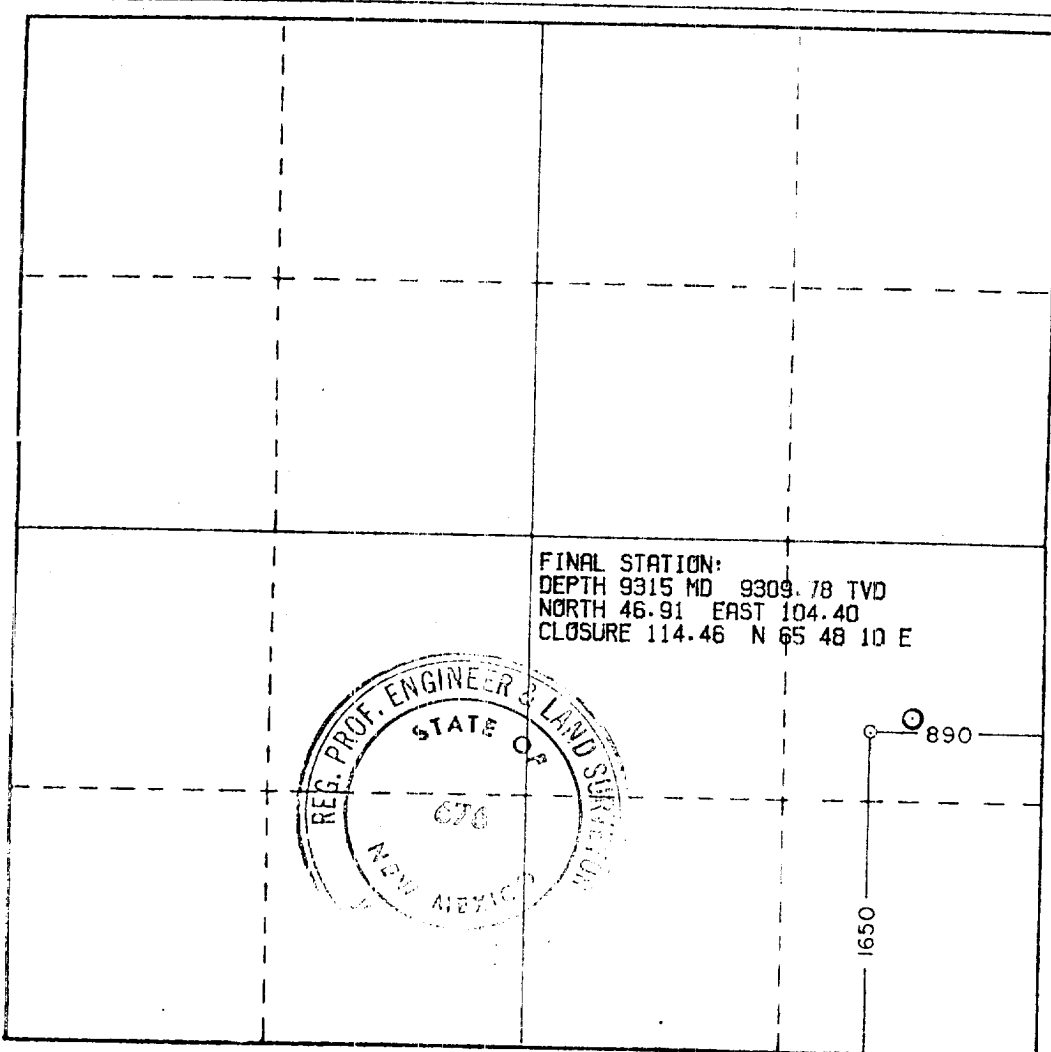
Operator Conoco Inc.			Lease Warren Unit			Well No. 86
Unit Letter 1	Section 29	Township 20 south	Range 38 east	County Lea		
Actual Footage Location of Well: 1650 feet from the south line and 890 feet from the east line						
Ground Level Elev. 3527.1	Producing Formation		Pool		Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

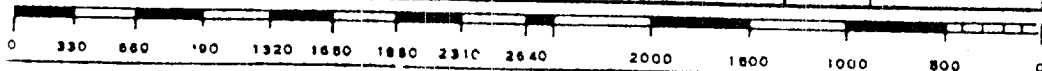
Date Surveyed

9-16-80

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239



CONOCO
WARREN UNIT WELL NO. 86
LEA COUNTY, NEW MEXICO
BD1-406
EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION
SCALE 1 IN. = 20 FEET
DEPTH INDICATOR: MD

RING STATION:
DEPTH 6815 MD 6300 TB TVD
NO. 1 45.01 POC 100.20
11.000





P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, TIM STEPHENS, in the employ of Eastman Whipstock, Inc., did on the days of FEBRUARY 10, 1982 thru FEBRUARY 10, 1982 conduct or supervise the taking of a MAGNETIC MULTI SHOT survey by the method of magnetic orientation from a depth of 5200 feet to 9315 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of CONOCO INC. for their WARREN UNIT WELL NO. 86, LEA County, State of NEW MEXICO, in the _____ field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

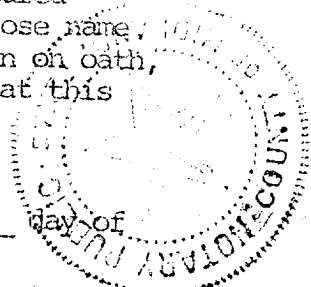
Tim Stephens
Directional Supervisor/Surveyor

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Troy Hay

Before me, the undersigned authority, on this day personally appeared TIM STEPHENS, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 15 day of MARCH, 1982.



Ray C. Stenke
Notary Public in and for the County of
Midland, Texas

My commission expires

7/9/85

Directional Drillers/Sub-Surface Surveyors/Instrument & Tool Rentals/Sales/Worldwide

COUNTY LEA 1000 Warren STATE NM
 OPR CONOCO, INC. API 30-025-27092
 NO 86 LEASE Warren Unit MAP
 Sec 29, T20S, R38E CO-ORD
 1650 FSL, 890 FEL of Sec 8-2-65 NM
 8 mi SE/Monument SPD 1-4-82 CMP 6-4-82

CSG 13 3/8-1448-1232 sx 7-8600-4380 sx	WELL CLASS: INIT D FIN D D LSE CODE			
	FORMATION	DATUM	FORMATION	DATUM
	TD 9325 (MCKE)		PBD 7040	

IP(Tubb) Perfs 6504-6704 @ 9 BOPD + 22 BW. Per based on
 24 hr test. GOR 333; gty (NR)

CONTR Moranco #5 OPRSELEV 3525 GL, 3542 KB sub-s 15

F.R. 10-20-80
 PD 9470 RT (McKee)
 1-11-82 TD 1448; SI
 1-18-82 Drlg 4765
 mw 10.1, vis 33
 1-25-82 Drlg 6935
 mw 10, vis 29
 1-27-82 Drlg 7245
 mw 10, vis 29
 2-28-82 TD 9325; Rng Logs
 2-11-92 TD 9325; PBD 8600; WOC
 Set cmt plugs to 8600
 2-14-82 TD 9325; PBD 8600; WOCU
 4-19-82 TD 9325; PBD 8320; Prep Acid
 Perf (Fusselman) 8372-77, 8403-09 w/1 SPF
 Acid (8372-8409) 1100 gals
 Swbd AW (8372-8409)
 Ret @ 8320 8-2-65 NM

LEA
CONOCO, INC.

Warren
86 Warren Unit
Sec 29, T20S, R38E

NM
Page #2

4-19-82 Sqzd (8372-8409) 75 sx
Perf (Devonian) 8161-68 w/1 SPF
4-23-82 TD 9325; PBD 8039; WOC
Acid (8161-68) 677 gals
Swbd 45 BLW in 10 hrs (8161-68)
Ret @ 8039
Sqzd (8161-68) 50 sx
5-3-82 TD 9325; PBD 7040; SI
Perf Lower Abo @ 7284, 7297, 7311, 7320,
7373, 7382, 7407, 7432, 7441, 7456, 7462, 7465
w/1 SPI
Acid (7284-7465) 1134 gals
Swbd 75 Bbls brackish wtr in 6 hrs (7284-7465)
Perf (Upper Abo) 7151-57 w/1 SPF

8-2-65 NM

5-3-82 Continued
Acid (7151-57) 588 gals
Swbd 110 BW in 7 hrs (7151-57)
Ret @ 7040
Sqzd (7151-7465) 93 sx
Perf (Tubb) @ 6504, 6508, 6512, 6517, 6527,
6593, 6601, 6605, 6624, 6628, 6635, 6665,
6676, 6683, 6699, 6704 w/1 SPI
Acid (6504-6704) 1344 gals
Frac (6504-6704) 17,388 gals, no sd
5-10-82 TD 9325; PBD 7040; TOP
Ppd 5 BW in 3 hrs (6504-6704)
5-14-82 TD 9325; PBD 7040; TOP
Ppd 92 BW + gas @ TSTM (6504-6704)
5-21-82 TD 9325; PBD 7040; TOP
Ppd 5 BO + 78 BW + 10 MCFGPD in 24 hrs
(6504-6704)

8-2-65 NM

LEA
CONOCO, INC.

Warren
86 Warren Unit
Sec 29, T20S, R38E

NM
Page #3

5-28-82 TD 9325; PBD 7040; TOP
Ppd 9 BO + 23 BW in 24 hrs (6504-6704)
6-4-82 TD 9325; PBD 7040; WOSP
Ppd 9 BO + 22 BW in 24 hrs (6504-6704)
8-9-82 TD 9325; PBD 7040; Complete
LOGS RUN: TMPL, CNL, FDC, DILL
BHT 110 deg @ 9229
Rig Released 2-13-82
8-14-82 COMPLETION ISSUED

8-2-65 NM
IC 30-025-70508-80